Special Issue

Advances in Cenozoic Paleoceanography with Emphasis in Micropaleontological Proxies

Message from the Guest Editors

Understanding the ocean's role in past climate is of fundamental importance for climate change predictions. Paleoceanographic proxies from marine sediment records provide essential information to understand and reconstruct Earth's past history, including climate change, oceanography, and biogeochemical cycles in the ocean. This special issue aims to publish innovative studies that include methods for tracing past water masses and hydrographic changes during the Cenozoic, reconstructing ocean-biosphere-atmosphere-climate interactions and applied biostratigraphy, using micropaleontological proxies, and/or their isotopic and geochemical composition. The areas of major interest for this special issue are, but not limited to:

- Evolutionary biology, biometry, biodiversity and molecular phylogeny
- Biostratigraphy
- Biogeochemistry and biomineralization
- Paleoecology and past biotic-abiotic interactions
- Modern field observations: water samples, sediment traps, and surface sediment coring studies
- Calibration and validation of new proxies

Guest Editors

Dr. Iván Hernández-Almeida
Department of Earth Sciences, ETH Zurich, Zurich, Switzerland

Dr. Paula Diz Ferreiro
Department of Marine Geosciences. Faculty of Marine Sciences, University of Vigo, Vigo, Spain

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Geosciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
geosciences@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. Alberto G. Fairén
1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain
2. Department of Astronomy, Cornell University, Ithaca, NY, USA

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